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› Wix 24070 Coolant Spin-On Filter Instruction Manual

Wix 24070

Wix 24070 Coolant Spin-On Filter Instruction Manual

Model: 24070

INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of the Wix 24070 Coolant Spin-On Filter. This filter is engineered to protect your engine's cooling system by effectively removing contaminants from the coolant, thereby ensuring optimal performance and extending the lifespan of cooling system components. Please read these instructions carefully and completely before proceeding with installation or maintenance procedures.

Product Overview



Image Description: This image displays two views of the Wix 24070 Coolant Spin-On Filter. One filter is shown upright, clearly featuring the 'WIX' brand logo, the model number '24070', and the text 'Coolant Filter'. The second filter is positioned on its side, revealing the base with the black rubber gasket and the central threaded opening, which is designed for installation onto the engine's filter housing. The filter casing is white with black text.

INSTALLATION INSTRUCTIONS

Safety Warning:

- Always allow the engine and cooling system to cool completely before servicing to prevent severe burns from hot coolant or steam.
- Wear appropriate personal protective equipment, including chemical-resistant gloves and eye protection, throughout the installation process.
- Refer to your vehicle's specific service manual for detailed instructions, torque specifications, and any unique requirements for your cooling system.
- Dispose of used coolant and filters responsibly in accordance with all local and national environmental regulations.

General Installation Steps:

1. **Prepare the System:** Ensure the engine is completely off and cool. Locate the existing coolant filter housing. Position a suitable drain pan directly beneath the filter to collect any coolant that may spill during removal.
2. **Remove Old Filter:** Utilize an appropriate filter wrench to carefully loosen and remove the old coolant filter. Be prepared for a small amount of coolant to drain out as the filter is removed.
3. **Clean Mounting Surface:** Thoroughly clean the filter mounting base on the engine block or housing. It is critical to ensure that no old gasket material, dirt, or debris remains on the sealing surface.
4. **Prepare New Filter:** Apply a thin, even film of clean engine oil or fresh coolant to the new filter's rubber gasket. This lubrication is essential for ensuring a proper seal and facilitating easier removal during future maintenance.
5. **Install New Filter:** Carefully thread the new Wix 24070 filter onto the mounting base by hand. Continue turning until the gasket makes firm contact with the base.
6. **Tighten Filter:** Once the gasket has made contact with the base, tighten the filter an additional 3/4 to 1 full turn by hand. **Avoid overtightening**, as this can cause damage to the filter, its gasket, or the filter housing. Always consult your vehicle's service manual for specific torque recommendations if available.
7. **Refill Coolant:** Check the coolant level in the reservoir and radiator. Refill the system as necessary with the vehicle manufacturer-recommended coolant type and concentration.
8. **Check for Leaks:** Start the engine and allow it to reach its normal operating temperature. Carefully inspect the newly installed filter area for any signs of coolant leakage. After the engine has cooled down, recheck the coolant level and top off if needed.

OPERATION

Upon proper installation, the Wix 24070 Coolant Spin-On Filter functions continuously as an integral part of your vehicle's cooling system. Its primary role is to efficiently filter out harmful contaminants such as rust, scale, sediment, and other debris from the engine coolant. This filtration prevents these particles from circulating throughout the system, which could otherwise lead to damage to critical components like the radiator, water pump, heater core, and engine passages. The filter contributes to maintaining the chemical balance of the coolant and ensures efficient heat transfer, which is vital for engine health.

MAINTENANCE

Regular replacement of the coolant filter is a critical aspect of maintaining the longevity and efficiency of your engine's cooling system. The appropriate replacement interval for the Wix 24070 filter should be determined by consulting your vehicle manufacturer's recommendations or the specific requirements of your coolant system. Factors such as operating conditions, coolant type, and engine duty cycle can influence the filter's effective lifespan.

- **Replacement Interval:** Always refer to your vehicle's service manual for the recommended coolant filter change intervals. These intervals can vary significantly, typically ranging from 15,000 to 50,000 miles or annually, depending on the specific application and vehicle type.
- **Visual Inspection:** During routine vehicle maintenance, visually inspect the coolant filter for any signs of external leaks, physical damage, corrosion, or swelling. Address any issues promptly.
- **Proper Disposal:** Used coolant filters contain residual engine coolant and potentially harmful contaminants. They must be disposed of in an environmentally responsible manner, strictly adhering to all local, state, and national regulations for hazardous waste. Do not discard with regular household waste.

TROUBLESHOOTING

If you encounter any issues after installing or during the operational life of your Wix 24070 Coolant Spin-On Filter, consider the following common troubleshooting steps:

- **Coolant Leakage:**
 - **Potential Causes:** Improperly tightened filter, a damaged or improperly seated gasket, or the presence of debris on the filter mounting surface.
 - **Solutions:** Ensure the filter is tightened correctly (3/4 to 1 full turn after gasket contact). Always inspect the gasket for any damage or deformities prior to installation. Thoroughly clean the mounting surface to remove any old gasket material or foreign particles. If leaks persist, carefully remove and re-install the filter, meticulously following the proper installation procedure.
- **Reduced Coolant Flow or Engine Overheating:**
 - **Potential Causes:** A severely clogged filter (though unlikely shortly after new installation), or air trapped within the cooling system.
 - **Solutions:** If the filter is new, it is rarely the direct cause of these symptoms. First, check for and bleed any air pockets from the cooling system as per your vehicle manufacturer's instructions. If the filter is old and past its recommended service interval, it may be due for replacement.
- **Filter Difficult to Remove:**
 - **Potential Causes:** Overtightening during the previous installation, or the gasket was not adequately lubricated.
 - **Solutions:** Use a proper filter wrench designed for the filter's size. During installation, ensure the gasket is lightly lubricated with engine oil or coolant to prevent it from sticking and to facilitate easier removal in the future.

If these troubleshooting steps do not resolve the issue, it is recommended to consult a qualified automotive technician for further diagnosis and repair.

SPECIFICATIONS

Manufacturer	WIX
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Brand	Wix
Model Number	24070
Item Weight	0.01 ounces
Package Dimensions	16.38 x 12.48 x 5.91 inches
ASIN	B00LOUQMTS
Date First Available	July 10, 2014

WARRANTY AND SUPPORT

Warranty Information: For comprehensive details regarding the warranty coverage for your Wix 24070 Coolant Spin-On Filter, please refer to the official Wix product documentation that was provided at the time of purchase. Alternatively, you may visit the official Wix website for the most current warranty terms and conditions, which may vary by region and product.

Customer Support: If you have any questions, require technical assistance, or need further support concerning the Wix 24070 filter, please contact Wix customer service directly. Contact information, including phone numbers and online support portals, can typically be found on the manufacturer's official website or through the authorized dealer from whom the product was purchased.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question